



# **NTCSS**

# **Interoperability thru Data, Standards and Processes**

**OPNAV N40TD**

**NO (Fleet Readiness and Logistics)**

**Voice mail: (703) 601-0470**

IT-21  
&  
NTCSS  
NTCSS\*

IT-21

ISNS

SHF

ADNS

Other  
Systems

\*  
unclassified but  
sensitive  
(NIPRNET  
)

IT-21 is not a  
Program  
Of Record  
but System  
of Systems  
Strategic  
Concept

# NTCSS Goals and Objectives

**Purpose:** Consolidate various independent afloat logistic programs under one Program Manager and one Resource Sponsor

**Objective:** Standardize HW and SW to support

**Source:** *NTCSS Mission Needs Statement*  
Management of tactical support information, personnel, material and funds required to maintain and operate ships, submarines and aircraft

**Operational Requirements / Synergistic**

**Goals:** *NTCSS Requirements Document*

- **Business Process Improvement Initiatives (BPIs)**
- Hardware and Software refresh
- Incremental Process Improvements

# **NTCSS's Operational Capabilities**

**Mission: Provide operational logistic support for afloat users, aviation squadrons and Intermediate Maintenance Activities**

**Collect, aggregate, & report tactical support data & information to aid in tactical decision making**

- Parts inventory (R-Supply), finance, automated technical manuals and data (ATIS), personnel (NSIPs), medical (SAMS), food services (FSM), ship's store (ROM), administrative (R-ADMIN), Organizational and Aviation Maintenance (OMNS-NG, NALCOMIS OIMA and OOMA)**
- Improve productivity; increased range of tasks**
  - Flexible standard automated info systems and LANs**
- Provide standard system for common functions within and between Naval units**
  - Open system architecture, modular design concepts**



# NTCSS Logistics Applications



## Unit Level Ships

*R-Supply; OMMS-NG; RADM; FSM;  
ROM*



## Force Level Ships

*R-Supply =  
Supply/Finance*

*OMMS-NG = Ship/Sub  
Maint*

*R-ADM = Unit Admin*

*FSM = Food Service*

*ROM = Retail Sales*

*OIMA = Aviation Maint*



## Air Stations/MALS

*OIMA; R-Supply  
R-ADM*



## Squadrons/MALS

*OOMA = Aviation  
Maintenance*



# Relational Supply

- **Provides:**

- Supply control
- Requirements processing
- Parts ordering and tracking
- Inventory management
- Financial management

- **Interfaces with OMMS-NG  
and NALCOMIS IMA**

- Process immediate issues  
of stocked items and off-ship  
ordering of Not-In-Stock material.

R-SUPPLY



**Relational Supply**

# Shipboard Organizational Maintenance

**Automated management of:**

- Shipboard organizational-level corrective maintenance actions (work candidates)
- Current Ship's Maintenance Project
- Planned Maintenance System (PMS)
- Allowance Parts Lists (APL)
- Coordinated Shipboard Allowance List (COSAL)
- Production management system tracking all shipboard repairs

**OMMS-NG**



**Organizational Maintenance  
Management System -  
Next Generation**



# Aviation Intermediate Maintenance



## NALCOMIS IMA

### **Naval Aviation Logistics Command Information System Intermediate Maintenance Activity**

- **Automation for aviation intermediate-level ship / shore maintenance and administrative activities.**
  - Production Control
  - Supply
  - Asset Management
  - Quality Assurance
  - NALCOMIS Personnel Module (NPM)
  - History Retrieval
  - Operational Readiness Reports
- **A tool for day-to-day maintenance management decisions affecting equipment repair, to include individual repairable components, requisitions, and documentation.**



# Aviation Organizational Maintenance

## NALCOMIS OMA



### **Naval Aviation Logistics Command Information System Organizational Maintenance Activity**

- Automates organizational-level maintenance activities.
  - Flight Data Recording
  - Maintenance Control
  - Logs and Records
  - Asset Management
  - Quality Assurance
  - Tech Pubs
- A day-to-day organizational level management tool.
- Encompasses end items such as aircraft, repairables and equipment component repair.

# Relational Administration

## R-ADMIN

- **Automated management of:**

- Berthing assignment
- Personnel qualifications
- Watch, Quarter & Station Bill assignments
- Personnel awards and decorations



**Relational  
Administration**

- **Future interface with Navy pay and personnel data systems (NSIPS)**

# Other NTCSS

## Applications

- **Automated Tech Info System (ATIS)**
  - Engineering drawings and tech manuals on CD ROM
- **Food Service Management (FSM)**
  - Mess menu and inventory management **(DOS Based)**
- **Retail Operations Management (ROM)**
  - Comprehensive Ship's Store AIS **(COBOL Based)**
- **Shipboard Automated Medical System**
  - Medical management for Independent Duty Corpsman

# NTCSS Status 02

## Apr 01

### NTCSS Fielding Plan -

Location	Installs Completed	<del>FY 01</del> Installs Remaining	% Installs Completed
Afloat	81	299	21 %
Ashore	20	24	45 %
OMA & Training	38	315	11 %
Total	139	638	18 %

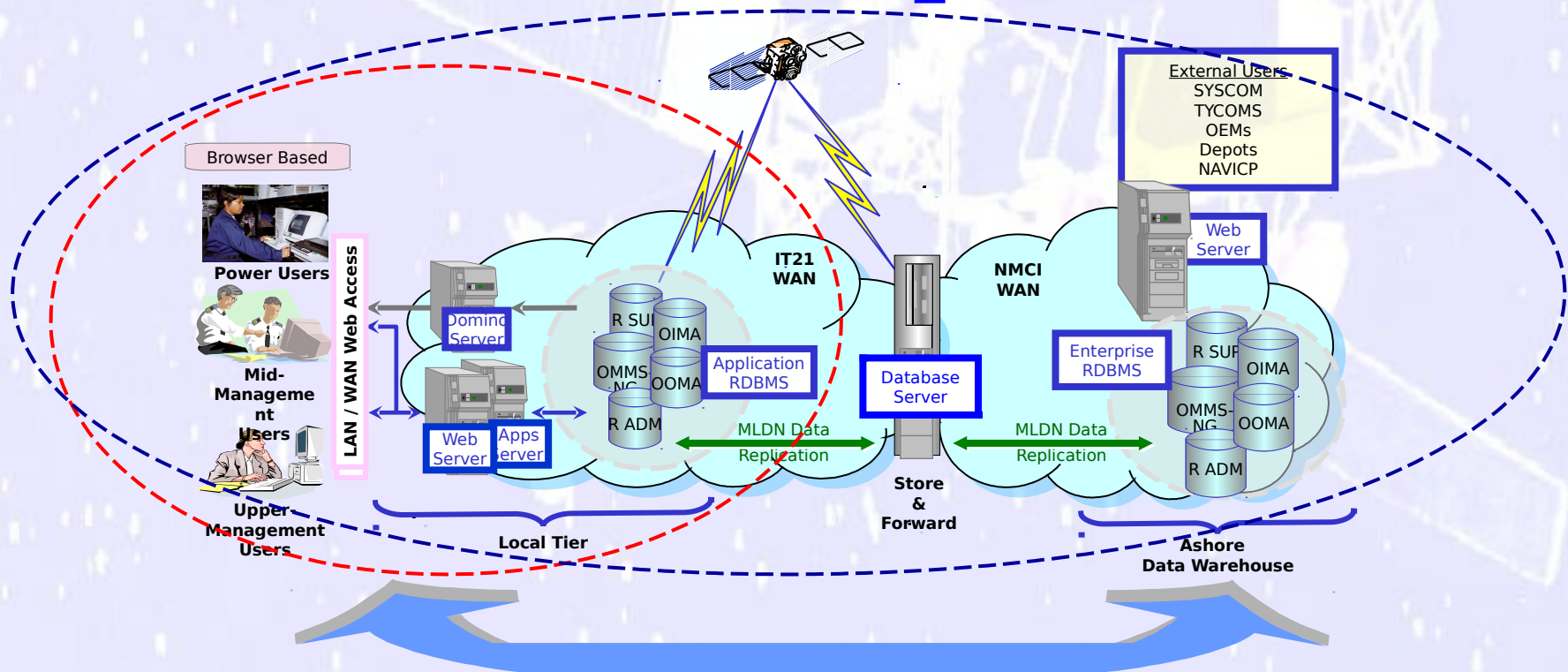
**Adjusted FOC - FY 03 to FY**

**08**



# Interoperability Strategy

- Web-enable (access & applica
- **Enterprise DataBase**
- **MLDN / Data Replication**



# Interoperability Strategy

**Enterprise Database** ( *for NTCSS applications*):

Accessibility from any PC anywhere - afloat or ashore

**Current Benefits** - Common Database elements and structures which will enable Total Asset Visibility, Data Accuracy.

**Future Benefits** - Bridges from current apps to future ERP

**Maritime Logistic Data Network** ( *for NTCSS applications*): Provides synchronized data replication

**Current Benefits** - Moves workload ashore such as accounting, configuration, and materiel management tasks, enhanced visibility of transactions and status.

**Future Benefits** - Business Process Re-Engineering

# The Way Ahead **Workforce Solution Package, R** **Technology Solution Package**

- **Change Resource Focus from Fielding HW (HardWare) to Fielding Customer Functionality**

- Workload Reduction
- Productivity Enhancements
- Reduced Manning
- Optimized Installs
- Singled-up applications (*R-Supply for units, R-Supply for force, R-Supply ashore*)

**} Web-Enabled Business Processes ASDOF Initiative**



# Back Up Slide s



# **Reduces Sailor Work Load**

- **NALCOMIS**
  - **Electronic Log books save time and reduce errors**
- **Relational ADMIN (R-ADM):**
  - **more powerful; has significantly more capability than SNAP Admin**
- **Relational Supply (R-SUPPLY):**
  - **Streamlines business processes**
  - **Adds flexibility and control, saves time**
  - **Improves inventory configuration management**
- **Organizational Maintenance (OMMS-NG):**
  - **Eliminates “Seven Gates of Hell” (7 menu mazes in Legacy OMMS)**
  - **Easier to build and maintain work packages**
- **ALL**
  - **GUI interface and “point ‘n click” capability is more intuitive and user friendly**
  - **Fast access to online reports**
  - **Enhances productivity**
  - **Common operating environment easier to administer and maintain**

# Web Enabled Applications

**FY\$M**      **FY01FY02FY03FY04FY05FY06FY07**

## **Above Core**

**TOTAL    5.0359.3177.6005.0074.9083.5874.358**

- **VCNO directed all programs to move to web enabled environment**
- **Benefits to web enabling include: reduced installation time, access of the applications by any PC, better configuration management, synchronized data replication so many labor intensive accounting, configuration, and materiel management tasks may be removed from the shipboard and expeditionary units and accomplished ashore with visibility of transactions and status in the expeditionary environment across the operational and strategic spectrum.**
- **Enterprise database will provide a bridge from the current applications to the ERP processes envisioned by the Navy's ERP pilot programs and will enable Total Asset Visibility, improved data accuracy, and reduced baselines.**